

- (b) connecting a second home device to the home network;
- (c) (1) querying the first home device to obtain first application interface description data, and querying the second home device to obtain second application interface description data, wherein each application interface description data includes information for commanding and controlling of the corresponding home device by another device connected to the network, and (2) storing the obtained first and second application interface description data in a data base;
- (d) the second home device accessing the first application interface description data for the first home device in the database;
- (e) the first home device accessing the second application interface description data for the second home device in the database;
- (f) sending control and command data from the first home device to the second home device utilizing said second application interface description data for the second home device over the network; and
- (g) sending control and command data from the second home device to the first home device utilizing said first application interface description data for the first home device over the network;

whereby the first and second home devices autonomously perform said service.

2. (Twice Amended) The method of claim 1 wherein at least one application interface description data includes XML format.

4. (Amended) The method of claim 3 wherein:
- (i) the first home device stores the first application interface data therein;
  - (ii) the second home device stores the second application interface data therein; and
  - (iii) step (c) includes the steps of querying the first and second home devices to

transfer said application interface data for the first and second home devices to the database device over the network.

5. (Amended) The method of claim 1 wherein step (d) includes providing the first application interface description data for the first home device from the database to the second home device over the network.

6. (Amended) The method of claim 1 wherein step (e) includes providing the second application interface description data for the second home device from the data base to the first home device over the network.

7. (Amended) The method of claim 1 further comprising connecting three or more home devices to the network, wherein at least one home device accesses the database to query the application interface description data of a plurality of home devices for sending command and control data to the plurality of home devices over the network.

8. (Amended) The method of claim 1 wherein each application interface description data includes data in a structured format.

9. (Twice Amended) A network system for providing a service, comprising:

- (a) a physical layer, wherein the physical layer provides a communication medium that can be used by devices to communicate with each other;
- (b) first home device;
- (c) a second home device;
- (d) a controller that queries the first home device to obtain first application interface description data, and queries the second home device to obtain second application interface description data, wherein each application interface description data includes

information for commanding and controlling of the corresponding home device by another device connected to the network, wherein the controller stores the obtained first and second application interface description data in a data base;

the second home device including application control means for accessing the first application interface description data for the first home device in the database and sending control and command data from the second home device to the first home device utilizing said first application interface description data; and

the first home device including application control means for accessing the second application interface description data for the second home device in the database and sending control and command data from the first home device to the second home device utilizing said second application interface description data;

whereby the first and second home devices autonomously perform said service.

10. (Twice Amended) The network system of claim 9 wherein at least one application interface description data includes XML format.

11. (Amended) The network system of claim 9 wherein the controller further comprises a data base device storing said database.

12. (Amended) The network system of claim 11 wherein:

(i) the first home device stores first application interface description data therein;

(ii) the second home device stores second application interface description data therein; and

(iii) said database device forms said data base by querying the first and second home devices to transfer said first and second application interface description data, respectively, to the database device over the network.

13. (Amended) The network system of claim 9 wherein the control application means of the second home device obtains the first application interface description data for the first home device from the database.

14. (Amended) The network system of claim 9 wherein the control application means of the first home device obtains the second application interface description data for the second home device from the data base.

15. (Amended) The network system of claim 9 further comprising three or more home devices, wherein at least one home device accesses the database to query the application interface description data of a plurality of home devices for sending command and control data to the plurality of home devices over the network.

16. (Amended) The network system of claim 9 wherein each application interface description data includes data in a structured format.

19. (Amended) The method of claim 1 wherein step (c) further includes the steps of providing an agent that creates the data base by obtaining the application interface description data of each device and storing it in the database.

20. (Amended) The network system of claim 9 wherein the controller includes an agent that creates the data base.

21. (Amended) The network system of claim 9 wherein the controller includes an agent that creates the data base by obtaining the application interface description data of each device and storing it in the database.

Please add the following new claims:

28. (New) A method for performing a service on a network, the method comprising the steps of:

(a) querying a device to obtain application interface description data when the device is connected to the network, wherein the application interface description data includes information for commanding and controlling of the device by another device connected to the network; and

(b) storing the obtained application interface description data in a database.

29. (New) The method of claim 28, wherein at least one application interface description data includes XML format.

30. (New) In a network system for providing a service, a controller comprising an agent that: (a) queries a device to obtain application interface description data when the device is connected to the network, such that the application interface description data includes information for commanding and controlling of the device by another device connected to the network, and (b) stores the obtained application interface description data in a database.

31. (New) The controller of claim 30, wherein at least one application interface description data includes XML format.